

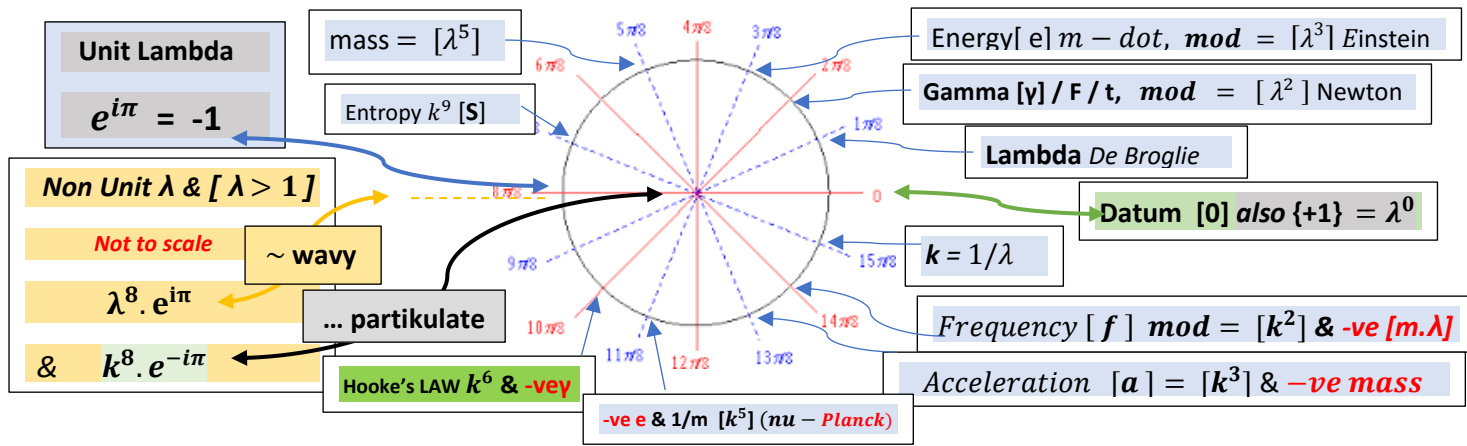


Fig. 1 Model lambda $[\lambda \cdot e^{\frac{i\pi}{8}}]^n$ $[\lambda s \neq 0]^*$ is a spinning number rotating with +ve &/or -ve $[n]$ integer

From datum $[0]$ at $(n = 0)$ r.h.s., thus $\left[\lambda \cdot e^{\frac{i\pi}{8}}\right]^0 = [\lambda^0 \cdot e^0] = [1 \cdot 1] = 1^2 = \text{Unity modulus}$,
to $\{n \rightarrow \infty\}$? capped here at $(n = (+/-) 16)$ becomes $\lambda^{16} \cdot e^{i2\pi}$ or modulus $[\lambda^{16}] \times [1 \text{ complete [acw] revolution}]$.

The -ve integers contribute *simultaneously* one suspects? a clockwise [cw] revolution

from datum unity, to $[\lambda^{-16} \cdot e^{i(-2\pi)}]$ These *contraries* are seamlessly connected at Unity or zero peg above,
and resonate with +ve & -ve 'arrows of time' in Physik.

This quasi *continuum locus* looks like an integer **quantized**, or step indexed *Logarithmic spiral*.

Eadem mutata resurgo.

As the Lambda model is **scale invariant**, the **Einstein continuum** is preserved in principle, yet each lambda system has its own chunked **De Moivre** type, & displays integer based **Bohr model** characteristic.

Thus we can view the classic Euler identity $e^{i\pi} + 1 = 0$ in model terms as, $\lambda^8 \cdot e^{i\pi} = -ve \ 1 \cdot \lambda^8$

where 'unit' lambda applies.

The negative Unity is thus equivalent to model $[m \cdot m - dot] = \text{mass} \times \text{energy}$ product. $[m - dot = [dm/dt] = m/\gamma]$

& $[k^8 \cdot e^{-i\pi}]$ in clockwise sense, again for a unity lambda scenario only.

$$\text{System}[k] = \frac{1}{\lambda} \text{ or generally } \lambda^{-n} = [k^n].$$

Example $(n = 16)$ thus $[\lambda^{16} \cdot e^{i2\pi}]$, has an equivalent in system parameters of $[m^3 \cdot \lambda]s = \text{lambda}^{16}$

i.e. as 1 {element} highest order [16], general degree $[n]$ of truncated string polynomial system here.

Rearranged as $e^{i2\pi} \cdot \lambda^{16} - m^3 \lambda = 0$ has 16 complex root solutions, i.e. generic root $[\lambda \cdot e^{i\pi/8}]$

& generally scaling via system lambda & exponent $[n = +/- \{0,1,2,3...\}]$ applies all pegs of the wheel above.

This *physical** model $[\lambda s \neq 0]$ allows also for -ve integers as discussed, to illustrate dynamic **equilibrium** forces at work in a 'closed' & yet *evolving** balanced Lambda system. i.e. potentially a duplex set $[16 \times 2]$ of contemporaneously acting +ve & -ve integer cycles, counter phase & respectively $[\lambda^n \text{ & } k^n]$ defines the model λ - scheme in Nature.

